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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/483,762	01/14/2000	Bahram Ghaffarzadeh Kermani	Kermani 35	8802

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EXAMINER

OPSASNICK, MICHAEL N

ART UNIT PAPER NUMBER

2626

DATE MAILED: 07/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/483,762

Applicant(s)

KERMANI, BAHRAM  
GHAFARZADEH

Examiner

Michael N. Opsasnick

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### DETAILED ACTION

1. As per the results of the interview summary dated 8/3/2003, prosecution on the merits is reopened, and the finality of the office action dated 10/22/2002 is removed.

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-9,11-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kimura et al (5199080) in view of Ladden et al (5855003).

As per claims 1,17, 18,20, Kimura et al (5199080) teaches:

“a voice command remote control system.....a transducer....electrical signal” as speech recognition controlled device (abstract, Fig. 6)

“a recognition processor.....stored pattern data” as recognition processor (fig. 6, subblock 5)

Kimura et al (5199080) transmits the control signal to the controlled device (i.e., the recognition process is performed at the speech originating section), and does not

explicitly teach transmitting speech signals to the controlled device for further speech processing, however, Ladden et al (5855003) teaches establishing a wireless link between the remote codec (located in the MS, fig. 6 subblock 200) and the localized speech recognizer (Fig. 6, subblock 209; col. 3 lines 1-10). Therefore, it would have been obvious to one of ordinary skill in the art of speech related remote access devices to modify the location of speech recognition in the remote of Kimura et al so that initial speech processing could be performed at the remote device and transmit speech parameters to the local device, as taught by Ladden et al (5855003) because it would advantageously use a more powerful speech recognition algorithm located at the base/local station rather than a less than ideal codec that is located at the wireless device (Ladden et al (5855003), col. 1 lines 12-20).

the combination of Kimura et al (5199080) in view of Ladden et al (5855003)

As per claims 2,19, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches:

“the voice command remote control system.....first controlled device” as A/D converter (Kimura et al (5199080) fig. 6, subblock 21).

As per claims 3,13,16,19,25,28,31, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches:

“first controlled device.....audio voice command” as preset command executed based on recognition (Kimura et al (5199080), fig. 12, subblocks s35-s41);

As per claims 4,6, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches:

“a recorder that records said electrical signal” as stored voice signals (Kimura et al (5199080), Fig. 6, subblock 23A);

As per claims 5,21,35 the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches:

“the recorder is located in the remote device” as recorder in the remote device (Ladden et al (5855003), the remote codec contains speech processing capabilities – col. 3 lines 43-60)).

As per claims 7-9,22-24,36, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches:

“a repeat button.....record button....recorder is voice activated.....voice-activation” as the ability for the user to be warned that a signal did no go thru, and user repeats the command (Kimura et al (5199080), col. 4 line 45 – col. 5 line 15);

As per claim 11, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches a second controlled device.....stored pattern data -- as recognition processor (Kimura et al (5199080), Fig., 11, subblock 23b);

As per claims 12,26,27, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches a first controlled device.....second control device -- as connection to a second control device (Kimura et al (5199080)fig. 11, subblock 24, going to multiple controllers -- #16 is shown for illustration purposes).

As per claims 14,15,29,30,32-34 the combination of Kimura et al (5199080) in view of Ladden et al (5855003) teaches a first, second, and third controlled device -- as transmitting signals to multiple devices (Kimura et al (5199080), col.1 lines 5-10).

4. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Kimura et al (5199080) in view of Ladden et al (5855003) in further view of Puthuff (6112103).

As per claim 10, the combination of Kimura et al (5199080) in view of Ladden et al (5855003) does not explicitly teach speech recognition training, however, Puthuff (6112103) teaches speech recognition training (col. 6 lines 10-25). Therefore, it would have been obvious to one of ordinary skill in the art of speech recognition to modify the teachings of the combination of Kimura et al (5199080) in view of Ladden et al

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(5855003) with speech recognition training because it would advantageously adapt the system to the user (Puthuff (6112103), col. 6 lines 25-45).

***Conclusion***

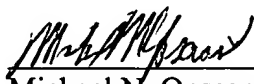
5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please see related art listed on the PTO-892 form.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Opsasnick, telephone number (571)272-7623, who is available Tuesday-Thursday, 9am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Richemond Dorvil, can be reached at (571)272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mno  
7/11/06

  
Michael N. Opsasnick  
Examiner  
Art Unit 2626